

**IN THE SPECIFICATION:**

Page 1, lines 10-19, replace with the following:

The Semantic Web is a vision of the next generation World-wide Web in which data is described with rich semantics thereby enabling software agents to ‘understand’ the data and perform complex tasks on behalf of humans. To achieve this vision, languages have been developed for specifying the meaning of concepts, relating them with custom ontologies for different domains and reasoning about the concepts. The most well-known languages are Resource Description Format (RDF) [~~http://www.w3.org/1999/02/22-rdf-syntax-ns~~] and RDF Schema (RDFS) [~~http://www.w3.org/2000/01/rdf-schema~~] which together provide an unique format for the description and exchange of the semantics of Web content. To realize the full potential of the Semantic Web, effective techniques for information retrieval need to be developed.